

For Research Use Only

# APC Anti-Human CD86 (BU63)

Catalog Number: APC-65165

5 Publications



## Basic Information

### Catalog Number:

APC-65165

### Size:

100 tests, 5 µl/test

### Source:

Mouse

### Isotype:

IgG1, kappa

### GenBank Accession Number:

BC040261

### GeneID (NCBI):

942

### ENSEMBL Gene ID:

ENSG00000114013

### UNIPROT ID:

P42081

### Full Name:

CD86 molecule

### Calculated MW:

329 aa, 38 kDa

### Purification Method:

The purified antibody is conjugated with allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.

### CloneNo.:

BU63

### Excitation/Emission maxima wavelengths:

650 nm / 660 nm

## Applications

### Tested Applications:

FC

### Cited Applications:

IF, FC

### Species Specificity:

human

### Cited Species:

human

## Background Information

CD86 (also known as B7.2) is a costimulatory molecule belonging to the immunoglobulin superfamily. Primarily expressed on antigen-presenting cells (APCs), including B cells, dendritic cells, and macrophages, CD86 is the ligand for two proteins at the cell surface of T cells, CD28 antigen and cytotoxic T-lymphocyte-associated protein 4. Binding of CD86 with CD28 antigen is a costimulatory signal for activation of the T-cell. Binding of CD86 with cytotoxic T-lymphocyte-associated protein 4 negatively regulates T-cell activation and diminishes the immune response.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xueqi Yan	35413945	Cell Death Discov	FC
Chenghu Yin	39716898	Adv Sci (Weinh)	IF
Zilong Zhao	39318025	J Agric Food Chem	FC

## Storage

### Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.1% sodium azide.

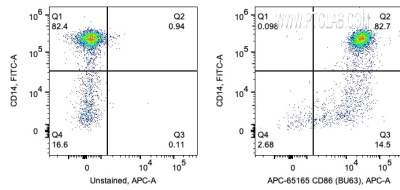
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

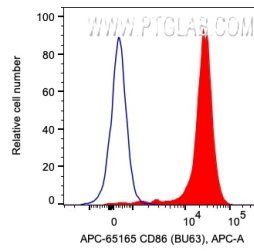
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



1X10<sup>6</sup> human PBMCs were surface co-stained with FITC Anti-Human CD14 and 5 ul APC Anti-Human CD86 (APC-65165, Clone:BU63) or unstained. Cells were not fixed. Monocytes were gated.



1X10<sup>6</sup> human PBMCs were surface stained with 5 ul APC Anti-Human CD86 (APC-65165, Clone:BU63) or unstained. Cells were not fixed. Monocytes were gated.